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a software programmer which uploads and downloads software to and from said transmitter or receiver using remote access networks such as a telecommunication line or wireless network.

Claim 2 (Amended) The system of claim 1 further comprising:

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Cone  
a charger, which uploads and downloads software to and from said software programmer using remote access networks such as telecommunication lines or wireless network.

Claim 3 (Amended) The system of claim 1 wherein said receiver with a user interface comprises modes of paging, advertising and interactive entertainment using two way communication with other receivers and devices.

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C  
Claim 9 (Amended) An electronic paging [The] system [of claim 2 wherein] comprising:

a receiver having a display and a user interface;

a transmitter;

a software programmer which uploads and downloads software to and from said transmitter or receiver;

a charger, which uploads and downloads software to and from said software programmer;  
and

said receiver can perform a wireless upload or download to said charger, transmitter, and/or wireless service provider.

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Claim 11 (Amended) An electronic paging [The] system [of claim 1 wherein] comprising:

a receiver having a display and a user interface;

a transmitter;

*By  
Cand*  
~~a software programmer which uploads and downloads software to and from said  
transmitter or receiver; and~~

~~said transmitter informs said receiver of queue status including updated information as to  
where a user is in the queue.~~

*Sub  
CBS*  
~~Claim 17 (Amended) The system of claim 1 wherein said transmitter stores information  
relating to [how and when] interaction between said receiver [was used] and its users.~~

*Sub  
BC*  
~~Claim 20 (Amended) The system of claim 2 wherein said charger stores information  
relating to [how and when] interaction between the receiver [was used] and its users.~~

~~Claim 21 (Amended) The system of claim 2 wherein said charger can upload or  
download software from said software programmer or other external systems through  
hard media.~~

### Response

The Examiner has requested a corrected abstract in view of the Examiner's  
objection filed June 5, 2002.

Applicant has amended the Abstract as requested.

Applicant has canceled claims 4, 15 and 16 and amended claims 1, 2, 3, 9, 11, 17,  
20 and 21.

The Examiner has rejected claims 1-2, 7-8, and 10 as being anticipated by  
Lovegreen, 5,814,968.

Regarding claim 1, the Examiner states that Lovegreen discloses an electronic  
paging system (a system associated with paging coaster for seating notification)  
comprising; a receiver (paging coasters, walkie talkies, other rechargeable electronic  
devices) having a display and a user interface; a transmitter (restaurant owner transmits

**WHAT IS CLAIMED IS:**

1. An electronic paging system comprising:

a receiver having a graphic display and a user interface;

a transmitter; and

a software programmer which uploads and downloads software to and from said transmitter or receiver using remote access networks such as a telecommunication line or wireless network.

2. The system of claim 1 further comprising:

a charger, which uploads and downloads software to and from said software programmer using remote access networks such as telecommunication lines or wireless network.

3. The system of claim 1 wherein said receiver with a user interface comprises modes of paging, advertising and interactive entertainment using two way communication with other receivers and devices.

6. The system of claim 1 wherein said interface comprises a keypad or touch panel display.

7. The system of claim 2 wherein said receiver can upload or download software and data to and from said charger.

8. The system of claim 2 wherein said receiver can upload or download software and data through conductive contacts.

9. An electronic paging system comprising:

a receiver having a display and a user interface;

a transmitter;

a software programmer which uploads and downloads software to and from said

transmitter or receiver;

a charger, which uploads and downloads software to and from said software programmer;

and

said receiver can perform a wireless upload or download to said charger, transmitter,

and/or wireless service provider.

10. The system of claim 1 wherein said receiver can perform a wireless upload or download to said transmitter and/or wireless service provider.

11. An electronic paging system comprising:

a receiver having a display and a user interface;

a transmitter;

a software programmer which uploads and downloads software to and from said

transmitter or receiver; and

said transmitter informs said receiver of queue status including updated information as to

where a user is in the queue.

12. The system of claim 1 wherein said transmitter tracks the last several pages that were made.

13. The system of claim 1 wherein said transmitter can upload or download software through hard media.

14. The system of claim 13 wherein said hard media is a diskette or CD.

17. The system of claim 1 wherein said transmitter stores information relating to interaction between said receiver and its users.

18. The system of claim 2 wherein a single charger can support many receivers at one time.

19. The system of claim 2 wherein said charger both charges and stores software.

20. The system of claim 2 wherein said charger stores information relating to interaction between the receiver and its users.

21. The system of claim 2 wherein said charger can upload or download software from said software programmer or other external systems through hard media.

22. The system of claim 21 wherein said hard media is a diskette or CD.

23. The system of claim 2 wherein said charger can upload or download software and data through a telecommunication line.

24. The system of claim 2 wherein said charger can upload software and data through a wireless service provider.

## ABSTRACT

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An electronic paging system comprising: a receiver having a display and a user interface,  
a transmitter, and a software programmer which uploads and downloads software to and from  
the transmitter or receiver.